



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of

OGATA et al.

Atty. Ref.: 461-55

Serial No. 09/925,017

Group: 1751

Filed: August 9, 2001

Examiner: VIJAYAKUMAR, K..

For: REDUCTION RESISTANT THERMISTOR, METHOD OF  
PRODUCTION THEREOF, AND TEMPERATURE  
SENSOR

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April 21, 2003

Assistant Commissioner for Patents  
Washington, DC 20231

AMENDMENT

Sir:

In response to the Office Action dated October 23, 2002, please amend the above-identified patent application as follows.

IN THE CLAIMS:

Please amend claims 1-7 and 13 as follows. A marked-up version of the amended claims showing the revisions thereto is attached.

1. (Amended) A thermistor having durability against a reducing atmosphere comprised of a sintered body of a metal oxide obtained by shaping and firing a thermistor material, the metal oxide having a mean particle size of the thermistor material of less than 1.0  $\mu\text{m}$ , and having a mean sintered particle size of the sintered body of the metal oxide of 3  $\mu\text{m}$  to 20  $\mu\text{m}$ , wherein the sintered body of the metal oxide is a mixed sintered body  $(\text{M1 M2})\text{O}_3 \cdot \text{AO}_x$  of a composite oxide  $(\text{M1 M2})\text{O}_3$  having a provskite structure and